ABSTRACT

Poly(L-lactic acid) was melt-spun at 200° C and drawn to obtain a hollow monofilament 0.15 mm in outside diameter and 0.12 mm in inside diameter. The monofilament was cut to a length of 8 cm. Each of opposite ends of the cut piece was wound around a stainless steel mandrel, 1 mm in diameter, one-half turn, held in J-shaped curl, heat-treated at 150° C and then cooled. In this way, a bioabsorbable vasoocclusive coil 3 of the invention was prepared which had a J-shaped curved portion 1 at each of opposite ends thereof and a hollow portion 2 over the entire length thereof. The hollow portion can be filled with a drug such as carcinostatic or antitumor agent, permitting the drug to exhibit a sustained release effect. When the follow portion is filled with an X-ray contrast medium, the coil can be delivered to a desired intravascular site reliably, while the process of treatment can be observed more reliably.